



## **Bureau of Air Quality Title V Operating Permit**

**Broad River Energy, LLC  
1124 Victory Trail Road  
Gaffney, South Carolina 29340  
Cherokee County**

In accordance with the provisions of the Pollution Control Act, Sections 48-1-50(5), 48-1-100(A), and 48-1-110(a), the 1976 Code of Laws of South Carolina, as amended, and South Carolina Regulation 61-62, Air Pollution Control Regulations and Standards, the Bureau of Air Quality authorizes the operation of this facility and the equipment specified herein in accordance with valid construction permits, and the plans, specifications, and other information submitted in the Title V permit application received on August 17, 2016, as amended.

The operation of this facility is subject to and conditioned upon the terms, limitations, standards, and schedules contained herein or as specified by this permit and its accompanying attachments.

**Permit Number: TV-0600-0076**

**Issue Date:  
Expiration Date:**

**DRAFT  
DRAFT**

**Effective Date:  
Renewal Due Date:**

**DRAFT  
DRAFT**

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**Steve McCaslin, P. E., Director  
Air Permitting Division  
Bureau of Air Quality**

**Broad River Energy, LLC**  
**TV-0600-0076**  
**Page 2 of 25**

RECORD OF REVISIONS		
Date	Type	Description of Changes

AA     Administrative Amendment  
MM     Minor Modification  
SM     Significant Modification

DRAFT

**Broad River Energy, LLC****TV-0600-0076****Page 3 of 25****A. EMISSION UNIT DESCRIPTION**

<b>Emission Unit ID</b>	<b>Emission Unit Description</b>
01	VOID – Combustion Turbines No.1, No.2, and No.3 (placed under unit ID 05)
02	VOID – Combustion Turbines No.4 and No.5 (placed under unit ID 05)
03	Water Bath Gas Heaters No.1 and No.2
04	VOID – Distillate Fuel Oil Storage Tank (insignificant activity)
05	Combustion Turbines No.1, No.2, No.3, No.4, and No.5

**B. EQUIPMENT AND CONTROL DEVICE(S)****B.1 EQUIPMENT FOR EMISSION UNIT 03 – Water Bath Gas Heaters No.1 and No.2**

<b>Equipment ID</b>	<b>Equipment Description</b>	<b>Installation/ Modification Date</b>	<b>Control Device ID</b>	<b>Emission Point ID</b>
H-1	9.0 MMBtu/hr Water Bath Gas Heater No.1 (natural gas fired)	2000	None	EP-H-1
H-2	6.0 MMBtu/hr Water Bath Gas Heater No.2 (natural gas fired)	2000	None	EP-H-2

**B.2 EQUIPMENT FOR EMISSION UNIT 05 – Combustion Turbines No.1, No.2, No.3, No.4, and No.5**

<b>Equipment ID</b>	<b>Equipment Description</b>	<b>Installation/ Modification Date</b>	<b>Control Device ID</b>	<b>Emission Point ID</b>
CT-1	193 MW Combustion Turbine No.1 (natural gas and no.2 fuel oil fired)	2000	CD-WI-1	EP-CT-1
CT-2	193 MW Combustion Turbine No.2 (natural gas and no.2 fuel oil fired)	2000	CD-WI-2	EP-CT-2
CT-3	193 MW Combustion Turbine No.3 (natural gas and no.2 fuel oil fired)	2000	CD-WI-3	EP-CT-3
CT-4	193 MW Combustion Turbine No.4 (natural gas and no.2 fuel oil fired)	2001	CD-WI-4	EP-CT-4
CT-5	193 MW Combustion Turbine No.5 (natural gas and no.2 fuel oil fired)	2001	CD-WI-5	EP-CT-5

**Broad River Energy, LLC****TV-0600-0076****Page 4 of 25****B.3 CONTROL DEVICE(S) FOR EMISSION UNIT 05 – Combustion Turbines No.1, No.2, No.3, No.4, and No.5**

<b>Control Device ID</b>	<b>Control Device Description</b>	<b>Installation/Modification Date</b>	<b>Pollutant(s) Controlled</b>
CD-WI-1	Water Injection	2001	NO <sub>x</sub>
CD-WI-2	Water Injection	2001	NO <sub>x</sub>
CD-WI-3	Water Injection	2001	NO <sub>x</sub>
CD-WI-4	Water Injection	2001	NO <sub>x</sub>
CD-WI-5	Water Injection	2001	NO <sub>x</sub>

**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

<b>Condition Number</b>	<b>Conditions</b>
C.1	<p><b>Emission Unit ID:</b> All <b>Equipment ID:</b> All <b>Control Device ID:</b> All</p> <p>Equipment capacities provided under the Equipment Description column of the Equipment Tables above are not intended to be permit limits unless otherwise specified within the Table of Conditions for the particular equipment. However, this condition does not exempt the facility from the construction permitting process, from PSD review, nor from any other applicable requirements that must be addressed prior to increasing production rates.</p>
C.2	<p><b>Emission Unit ID:</b> All <b>Equipment ID:</b> All <b>Control Device ID:</b> All</p> <p>(S.C. Regulation 61-62.1, Section II.J.1.g) A copy of the Department issued construction and/or operating permit must be kept readily available at the facility at all times. The owner or operator shall maintain such operational records; make reports; install, use, and maintain monitoring equipment or methods; sample and analyze emissions or discharges in accordance with prescribed methods at locations, intervals, and procedures as the Department shall prescribe; and provide such other information as the Department reasonably may require. All records required to demonstrate compliance with the limits established under this permit shall be maintained on site for a period of at least 5 years from the date the record was generated and shall be made available to a Department representative upon request.</p>
C.3	<p><b>Emission Unit ID:</b> 05 <b>Equipment ID:</b> CT-1, CT-2, CT-3, CT-4, and CT-5 <b>Control Device ID:</b> CD-WI-1, CD-WI-2, CD-WI-3, CD-WI-4, and CD-WI-5</p> <p>The owner/operator shall inspect, calibrate, adjust, and maintain continuous monitoring systems, monitoring devices, and gauges in accordance with manufacturer's specifications or good engineering practices. The owner/operator shall maintain on file all measurements including</p>

**Broad River Energy, LLC**

**TV-0600-0076**

**Page 5 of 25**

**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions
	continuous monitoring system or monitoring device performance measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required in a permanent form suitable for inspection by Department personnel.
C.4	<p><b>Emission Unit ID:</b> 05 <b>Equipment ID:</b> CT-1, CT-2, CT-3, CT-4, and CT-5 <b>Control Device ID:</b> CD-WI-1, CD-WI-2, CD-WI-3, CD-WI-4, and CD-WI-5</p> <p>All gauges shall be readily accessible and easily read by operating personnel and Department personnel (i.e. on ground level or easily accessible roof level). Monitoring parameter readings (i.e., pressure drop readings, etc.) and inspection checks shall be maintained in logs (written or electronic), along with any corrective action taken when deviations occur. Each incidence of operation outside the operational ranges, including date and time, cause, and corrective action taken, shall be recorded and kept on site. Exceedance of operational range shall not be considered a violation of an emission limit of this permit, unless the exceedance is also accompanied by other information demonstrating that a violation of an emission limit has taken place. Reports of these incidences shall be submitted semiannually. If no incidences occurred during the reporting period then a letter shall be submitted to indicate such.</p> <p>Any alternative method for monitoring control device performance must be preapproved by the Bureau and shall be incorporated into the permit as set forth in SC Regulation 61-62.70.7.</p>
C.5	<p><b>Emission Unit ID:</b> All <b>Equipment ID:</b> All <b>Control Device ID:</b> All</p> <p>For any source test required under an applicable standard or permit condition, the owner, operator, or representative shall comply with S.C. Regulation 61-62.1, Section IV - Source Tests.</p> <p>Unless approved otherwise by the Department, the owner, operator, or representative shall ensure that source tests are conducted while the source is operating at the maximum expected production rate or other production rate or operating parameter which would result in the highest emissions for the pollutants being tested. Some sources may have to spike fuels or raw materials to avoid being subjected to a more restrictive feed or process rate. Any source test performed at a production rate less than the rated capacity may result in permit limits on emission rates, including limits on production if necessary.</p> <p>The owner or operator shall comply with any limits that result from conducting a source test at less than rated capacity. A copy of the most recent Department issued source test summary letter, whether it imposes a limit or not, shall be maintained with the operating permit, for each source that is required to conduct a source test.</p>

**Broad River Energy, LLC****TV-0600-0076****Page 6 of 25****C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

<b>Condition Number</b>	<b>Conditions</b>
	Site-specific test plans and amendments, notifications, and source test reports shall be submitted to the Manager of the Source Evaluation Section, Bureau of Air Quality.
C.6	<p><b>Emission Unit ID:</b> 05 <b>Equipment ID:</b> CT-1, CT-2, CT-3, CT-4, and CT-5 <b>Control Device ID:</b> CD-WI-1, CD-WI-2, CD-WI-3, CD-WI-4, and CD-WI-5</p> <p>All references to NSPS or §60 in this permit, refer to both S.C. Regulation 61-62.60 - "South Carolina Designated Facility Plan And New Source Performance Standards" and Code of Federal Regulations Title 40, Part 60 – "Standards Of Performance For New Stationary Sources."</p> <p>All equipment specified in this permit as being subject to an NSPS are also subject to S.C. Regulation 61-62.60 and 40 CFR 60, Subpart A - General Provisions, and shall comply with all applicable provisions, in addition to those explicitly stated in this permit.</p>
C.7	<p><b>Emission Unit ID:</b> 03 <b>Equipment ID:</b> H-1 and H-2</p> <p>Water Bath Heater No. 1 and Water Bath Heater No. 2 are each permitted to burn only natural gas as fuel. The use of any other substances as fuel is prohibited without prior written approval from the Department.</p>
C.8	<p><b>Emission Unit ID:</b> 05 <b>Equipment ID:</b> CT-1, CT-2, CT-3, CT-4, and CT-5 <b>Control Device ID:</b> CD-WI-1, CD-WI-2, CD-WI-3, CD-WI-4, and CD-WI-5</p> <p>Each Combustion Turbine is permitted to burn only natural gas and distillate fuel oil with a maximum sulfur content of 0.05% as fuel. The use of any other substances as fuel is prohibited without prior written approval from the Department.</p> <p>Fuel oil certification shall be obtained for each batch of oil received and stored on site. Records of fuel oil certification shall be maintained on-site.</p>
C.9	<p><b>Emission Unit ID:</b> 03 <b>Equipment ID:</b> H-1 and H-2</p> <p>(S.C. Regulation 61-62.5, Standard No. 1, Section I) The fuel burning sources shall not discharge into the ambient air smoke which exceeds an opacity of twenty (20) percent, each. The owner/operator shall, to the extent practicable, maintain and operate any source including associated air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions.</p> <p>(S.C. Regulation 61-62.5, Standard No. 1, Section II) The maximum allowable discharge of particulate</p>

**Broad River Energy, LLC**

**TV-0600-0076**

**Page 7 of 25**

**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions															
	<p>matter resulting from these sources is 0.6 pounds per million BTU input, each.</p> <p>(S.C. Regulation 61-62.5, Standard No. 1, Section III) The maximum allowable discharge of sulfur dioxide (SO<sub>2</sub>) resulting from these sources is 2.3 pounds per million BTU input, each.</p> <p>These sources are only permitted to burn natural gas as fuel.</p>															
C.10	<p><b>Emission Unit ID:</b> 03 <b>Equipment ID:</b> H-1 and H-2</p> <p>To demonstrate compliance with S.C. Regulation 61-62.5, Standard No. 2 – Ambient Air Quality Standards, Water Bath Heater No. 1 (H-1) and Water Bath Heater No. 2 (H-2) are each limited to operating a maximum of 3,000 hours per year.</p> <p>The owner/operator shall record the actual daily operating hours, calculate yearly operating hours on a twelve-month rolling sum and maintain these records on-site. Reports including all recorded parameters and calculated values shall be submitted semiannually.</p>															
C.11	<p><b>Emission Unit ID:</b> 03 <b>Equipment ID:</b> H-1 and H-2</p> <p>The sources are subject to all provisions of SC Regulation 61-62.5, Standard No. 7 – Prevention of Significant Deterioration. The following BACT limits have been established for each Water Bath Heater:</p> <table><tr><th>Pollutant</th><th>BACT</th><th>Limit (lb/hr)</th></tr><tr><td>PM<sub>10</sub></td><td>Combustion of only natural gas as fuel.</td><td>6.0E-02</td></tr><tr><td>SO<sub>2</sub></td><td>Combustion of only natural gas as fuel.</td><td>6.5E-03</td></tr><tr><td>NO<sub>x</sub></td><td>Using Low NO<sub>x</sub> burners.</td><td>1.72</td></tr><tr><td>CO</td><td>Combustion of only natural gas as fuel.</td><td>1.04</td></tr></table> <p>In the event of any changes to the process that may increase emissions, the Department may request a source test to determine status and any appropriate actions if not in compliance.</p>	Pollutant	BACT	Limit (lb/hr)	PM <sub>10</sub>	Combustion of only natural gas as fuel.	6.0E-02	SO <sub>2</sub>	Combustion of only natural gas as fuel.	6.5E-03	NO <sub>x</sub>	Using Low NO <sub>x</sub> burners.	1.72	CO	Combustion of only natural gas as fuel.	1.04
Pollutant	BACT	Limit (lb/hr)														
PM <sub>10</sub>	Combustion of only natural gas as fuel.	6.0E-02														
SO <sub>2</sub>	Combustion of only natural gas as fuel.	6.5E-03														
NO <sub>x</sub>	Using Low NO <sub>x</sub> burners.	1.72														
CO	Combustion of only natural gas as fuel.	1.04														
C.12	<p><b>Emission Unit ID:</b> 05 <b>Equipment ID:</b> CT-1, CT-2, CT-3, CT-4, and CT-5 <b>Control Device ID:</b> CD-WI-1, CD-WI-2, CD-WI-3, CD-WI-4, and CD-WI-5</p> <p>To demonstrate compliance with S.C. Regulation 61-62.5, Standard No. 2 – Ambient Air Quality Standards, Combustion Turbine CT-1, CT-2, CT-3, CT-4, and CT-5 are limited to operating as follows:</p> <p>(A) Each Combustion Turbine is limited to operating a maximum of 3,000 hours per year.</p> <p>(B) Each Combustion Turbine is limited to operating a maximum of 1,700 hours per year with steam injection.</p>															

**Broad River Energy, LLC****TV-0600-0076****Page 8 of 25****C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions
	<p>(C) The owner/operator is limited to 80 turbine hours of oil combustion per day. (D) The owner/operator is limited to combusting a maximum of 21 million gallons of fuel oil per year.</p> <p>For the operating limit specified in (A) and (B) above, the owner/operator shall record the actual daily operating hours, calculate yearly operating hours on a twelve-month rolling sum, and maintain these records on-site.</p> <p>For the operating limit specified in (C) above, the owner/operator shall record daily turbine hour operation while burning oil and maintain these records on-site.</p> <p>For the operating limit specified in (D) above, the owner/operator shall record the actual daily oil consumption, calculate yearly oil consumption on a twelve-month rolling sum, and maintain these records on-site.</p> <p>For compliance with (A), (B), and (C) listed above, reports including all recorded parameters and calculated values shall be submitted quarterly.</p> <p>For compliance with (D) listed above, reports including all recorded parameters and calculated values shall be submitted semiannually.</p>
C.13	<p><b>Emission Unit ID:</b> 05 <b>Equipment ID:</b> CT-1, CT-2, CT-3, CT-4, and CT-5 <b>Control Device ID:</b> CD-WI-1, CD-WI-2, CD-WI-3, CD-WI-4, and CD-WI-5</p> <p>To demonstrate compliance with S.C. Regulation 61-62.5, Standard No. 2 – Ambient Air Quality Standards, during the time period from September 15 to November 1 of each year, the owner/operator is limited to no more than three turbines combusting oil at any one time. The owner/operator is also limited to 36 turbine hours per day during this time frame and not allowed to combust oil between the hours of 6pm and 12 am.</p> <p>The owner/operator shall record daily turbine hour operation while burning oil and maintain these records on-site.</p> <p>Reports including all recorded parameters and calculated values shall be submitted semiannually.</p>
C.14	<p><b>Emission Unit ID:</b> 05 <b>Equipment ID:</b> CT-1, CT-2, CT-3, CT-4, and CT-5 <b>Control Device ID:</b> CD-WI-1, CD-WI-2, CD-WI-3, CD-WI-4, and CD-WI-5</p> <p>(S.C. Regulation 61-62.5, Standard No. 4, Section IX) Where construction or modification began after December 31, 1985, emissions from these sources (including fugitive emissions) shall not exhibit an</p>



**Broad River Energy, LLC**

**TV-0600-0076**

**Page 9 of 25**

**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions									
	<p>opacity greater than 20%, each.</p> <p>The owner/operator shall perform a visual inspection at the emission point, while the equipment is operating, on a semiannual basis.</p> <p>No visual inspections are required if fuel oil is burned only for test firing to verify burner operation.</p> <p>Visual inspection means a qualitative observation of opacity during daylight hours where the inspector records results in a log, noting color, duration, density (heavy or light), cause, and corrective action taken for any abnormal emissions.</p> <p>The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, and observer position relative to lighting, wind, and the presence of uncombined water. No periodic monitoring for opacity will be required during periods of burning natural gas only.</p> <p>Logs shall be kept to record all visual inspections, including cause and corrective action taken for any abnormal emissions and visual inspections from date of recording. The owner/operator shall submit semiannual reports. The report shall include records of abnormal emissions, if any, and corrective actions taken. If only natural gas was combusted or if the unit did not operate during the semiannual period, the report shall so state. Records of visual inspection shall be maintained on site.</p>									
C.15	<p><b>Emission Unit ID:</b> 05 <b>Equipment ID:</b> CT-1, CT-2, CT-3, CT-4, and CT-5 <b>Control Device ID:</b> CD-WI-1, CD-WI-2, CD-WI-3, CD-WI-4, and CD-WI-5</p> <p>The sources are subject to all provisions of SC Regulation 61-62.5, Standard No. 7 – Prevention of Significant Deterioration. The following BACT limits have been established for each Combustion Turbine:</p> <table><tr><th>Pollutant</th><th>BACT</th><th>Limit</th></tr><tr><td>PM<sub>10</sub></td><td>Good combustion practices and using clean burning fuels (natural gas and no. 2 fuel oil).</td><td>18.0 lb/hr and 27 tpy (when combusting natural gas) 46.0 lb/hr and 11.5 tpy (when combusting distillate oil)</td></tr><tr><td>SO<sub>2</sub></td><td>Combustion of low sulfur fuels (natural gas and no. 2 fuel oil with a maximum sulfur content of 0.05 weight %).</td><td>1.1 lb/hr and 1.65 tpy (when combusting natural gas) 99.0 lb/hr and 24.75 tpy (when combusting distillate oil)</td></tr></table>	Pollutant	BACT	Limit	PM <sub>10</sub>	Good combustion practices and using clean burning fuels (natural gas and no. 2 fuel oil).	18.0 lb/hr and 27 tpy (when combusting natural gas) 46.0 lb/hr and 11.5 tpy (when combusting distillate oil)	SO <sub>2</sub>	Combustion of low sulfur fuels (natural gas and no. 2 fuel oil with a maximum sulfur content of 0.05 weight %).	1.1 lb/hr and 1.65 tpy (when combusting natural gas) 99.0 lb/hr and 24.75 tpy (when combusting distillate oil)
Pollutant	BACT	Limit								
PM <sub>10</sub>	Good combustion practices and using clean burning fuels (natural gas and no. 2 fuel oil).	18.0 lb/hr and 27 tpy (when combusting natural gas) 46.0 lb/hr and 11.5 tpy (when combusting distillate oil)								
SO <sub>2</sub>	Combustion of low sulfur fuels (natural gas and no. 2 fuel oil with a maximum sulfur content of 0.05 weight %).	1.1 lb/hr and 1.65 tpy (when combusting natural gas) 99.0 lb/hr and 24.75 tpy (when combusting distillate oil)								

**Broad River Energy, LLC**

**TV-0600-0076**

**Page 10 of 25**

**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions		
	NO <sub>x</sub>	Use of Dry Low NO <sub>x</sub> combustors when firing natural gas and use of water injection when firing distillate oil.	9 ppmvd @ 15% O <sub>2</sub> and 72 lb/hr (3 hour block average) (w/out steam injection, when combusting natural gas) 12 ppmvd @ 15% O <sub>2</sub> and 72 lb/hr (3 hour block average) (with steam injection, when combusting natural gas) 42 ppmvd @ 15% O <sub>2</sub> (3 hour block average) (when combusting distillate oil)
	CO	Good combustion practices and using clean burning fuels (natural gas and no. 2 fuel oil).	9 ppmvd @ 15% O <sub>2</sub> and 51.7 lb/hr (w/out steam injection, when combusting natural gas) 15 ppmvd @ 15% O <sub>2</sub> and 51.7 lb/hr (with steam injection, when combusting natural gas) 20 ppmvd @ 15% O <sub>2</sub> (when combusting distillate oil)
	H <sub>2</sub> SO <sub>4</sub> Mist	Combustion of low sulfur fuels (natural gas and no. 2 fuel oil with a maximum sulfur content of 0.05 weight %).	11 lb/hr and 2.75 tpy (when combusting distillate oil)
	Be	Combustion of clean fuels	7.0E-04 lb/hr and 1.70E-04 tpy (when combusting distillate oil)
	<p>A source test was required to demonstrate compliance with the established BACT limits for SO<sub>2</sub>, NO<sub>x</sub>, and CO and this has been completed for each turbine.</p> <p>In the event of any changes to the process that may increase emissions, the Department may request a source test to determine status and any appropriate actions if not in compliance.</p>		
C.16	<p>Emission Unit ID: 001, 002, 003, 004, 005, 006, 007, and 008            Equipment ID: CT1, CT2, CT3, CT4, CT5, CT6, CT7, and CT8            Control Device ID: CD-WI1, CD-WI2, CD-WI3, CD-WI4, CD-WI5, CD-WI6, CD-WI7, and CD-WI8</p> <p>These sources are subject to 40 CFR 60 Subpart A (General Provisions) and 40 CFR 60 Subpart GG – Standards of Performance for Stationary Gas Turbines, and shall comply with all applicable provisions, in addition to those explicitly stated in this permit. In accordance with 40 CFR 60 Subpart GG, Standards of Performance for Stationary Gas Turbines, on and after the date on which the performance test required by §60.8 is completed, every owner or operator subject to the provisions</p>		

**Broad River Energy, LLC**

**TV-0600-0076**

**Page 11 of 25**

**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions
	<p>of this subpart shall comply with the following.</p> <p>In accordance with §60.332(a)(1), no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any stationary gas turbine, any gases which contain nitrogen oxides in excess of:</p> $\text{STD} = 0.0075 \times (14.4/Y) + F$ <p>where:</p> <p>STD = allowable ISO corrected (if required as given in §60.335(b)(1)) NO<sub>x</sub> emission concentration (percent by volume at 15 percent oxygen and on a dry basis),</p> <p>Y = manufacturer's rated heat rate at manufacturer's rated load (kilojoules per watt hour) or, actual measured heat rate based on lower heating value of fuel as measured at actual peak load for the facility. The value of Y shall not exceed 14.4 kilojoules per watt hour, and</p> <p>F = NO<sub>x</sub> emission allowance for fuel-bound nitrogen as defined in paragraph (a)(4) of §60.332.</p> <p>In accordance with §60.332(f), stationary gas turbines using water or steam injection for control of NO<sub>x</sub> emissions are exempt from §60.332(a) when ice fog is deemed a traffic hazard by the owner or operator of the gas turbine.</p> <p>In accordance with §60.334 Monitoring of Operations,</p> <p>(b) The owner or operator of any stationary gas turbine that commenced construction, reconstruction or modification after October 3, 1977, but before July 8, 2004, and which uses water or steam injection to control NO<sub>x</sub> emissions may, as an alternative to operating the continuous monitoring system described in paragraph (a) of this section, install, certify, maintain, operate, and quality-assure a continuous emission monitoring system (CEMS) consisting of NO<sub>x</sub> and O<sub>2</sub> monitors. As an alternative, a CO<sub>2</sub> monitor may be used to adjust the measured NO<sub>x</sub> concentrations to 15 percent O<sub>2</sub> by either converting the CO<sub>2</sub> hourly averages to equivalent O<sub>2</sub> concentrations using Equation F-14a or F-14b in appendix F to part 75 of this chapter and making the adjustments to 15 percent O<sub>2</sub>, or by using the CO<sub>2</sub> readings directly to make the adjustments, as described in Method 20. If the option to use a CEMS is chosen, the CEMS shall be installed, certified, maintained and operated as follows:</p> <p>(b)(1) Each CEMS must be installed and certified according to PS 2 and 3 (for diluent) of 40 CFR part 60, appendix B, except the 7-day calibration drift is based on unit operating days, not calendar days. Appendix F, Procedure 1 is not required. The relative accuracy test audit (RATA) of the NO<sub>x</sub> and diluent monitors may be performed individually or on a combined basis, i.e., the relative accuracy tests of</p>

**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions
	<p>the CEMS may be performed either:</p> <p>(b)(1)(i) On a ppm basis (for NO<sub>x</sub>) and a percent O<sub>2</sub> basis for oxygen; or</p> <p>(b)(1)(ii) On a ppm at 15 percent O<sub>2</sub> basis; or</p> <p>(b)(1)(iii) On a ppm basis (for NO<sub>x</sub>) and a percent CO<sub>2</sub> basis (for a CO<sub>2</sub> monitor that uses the procedures in Method 20 to correct the NO<sub>x</sub> data to 15 percent O<sub>2</sub>).</p> <p>(b)(2) As specified in §60.13(e)(2), during each full unit operating hour, each monitor must complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each 15-minute quadrant of the hour, to validate the hour. For partial unit operating hours, at least one valid data point must be obtained for each quadrant of the hour in which the unit operates. For unit operating hours in which required quality assurance and maintenance activities are performed on the CEMS, a minimum of two valid data points (one in each of two quadrants) are required to validate the hour.</p> <p>(b)(3) For purposes of identifying excess emissions, CEMS data must be reduced to hourly averages as specified in §60.13(h).</p> <p>(b)(3)(i) For each unit operating hour in which a valid hourly average, as described in paragraph (b)(2) of this section, is obtained for both NO<sub>x</sub> and diluent, the data acquisition and handling system must calculate and record the hourly NO<sub>x</sub> emissions in the units of the applicable NO<sub>x</sub> emission standard under §60.332(a), i.e., percent NO<sub>x</sub> by volume, dry basis, corrected to 15 percent O<sub>2</sub> and International Organization for Standardization (ISO) standard conditions (if required as given in §60.335(b)(1)). For any hour in which the hourly average O<sub>2</sub> concentration exceeds 19.0 percent O<sub>2</sub>, a diluent cap value of 19.0 percent O<sub>2</sub> may be used in the emission calculations.</p> <p>(b)(3)(ii) A worst case ISO correction factor may be calculated and applied using historical ambient data. For the purpose of this calculation, substitute the maximum humidity of ambient air (H<sub>o</sub>), minimum ambient temperature (T<sub>a</sub>), and minimum combustor inlet absolute pressure (P<sub>o</sub>) into the ISO correction equation.</p> <p>(b)(3)(iii) If the owner or operator has installed a NO<sub>x</sub> CEMS to meet the requirements of part 75 of this chapter, and is continuing to meet the ongoing requirements of part 75 of this chapter, the CEMS may be used to meet the requirements of this section, except that the missing data substitution methodology provided for at 40 CFR part 75, subpart D, is not required for purposes of identifying excess emissions. Instead, periods of missing CEMS data are to be reported as monitor downtime in the excess emissions and monitoring performance report required in §60.7(c).</p> <p>(j) For each affected unit that elects to continuously monitor parameters or emissions, or to</p>

**Broad River Energy, LLC**

**TV-0600-0076**

**Page 13 of 25**

**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions
	<p>periodically determine the fuel sulfur content or fuel nitrogen content under this subpart, the owner or operator shall submit reports of excess emissions and monitor downtime, in accordance with §60.7(c). Excess emissions shall be reported for all periods of unit operation, including startup, shutdown and malfunction. For the purpose of reports required under §60.7(c), periods of excess emissions and monitor downtime that shall be reported are defined as follows:</p> <p>(j)(1) Nitrogen oxides.</p> <p>(j)(1)(iii) For turbines using NO<sub>x</sub> and diluent CEMS:</p> <p>(j)(1)(iii)(A) An hour of excess emissions shall be any unit operating hour in which the 4-hour rolling average NO<sub>x</sub> concentration exceeds the applicable emission limit in §60.332(a)(1) or (2). For the purposes of this subpart, a "4-hour rolling average NO<sub>x</sub> concentration" is the arithmetic average of the average NO<sub>x</sub> concentration measured by the CEMS for a given hour (corrected to 15 percent O<sub>2</sub> and, if required under §60.335(b)(1), to ISO standard conditions) and the three unit operating hour average NO<sub>x</sub> concentrations immediately preceding that unit operating hour.</p> <p>(j)(1)(iii)(B) A period of monitor downtime shall be any unit operating hour in which sufficient data are not obtained to validate the hour, for either NO<sub>x</sub> concentration or diluent (or both).</p> <p>(j)(1)(iii)(C) Each report shall include the ambient conditions (temperature, pressure, and humidity) at the time of the excess emission period and (if the owner or operator has claimed an emission allowance for fuel bound nitrogen) the nitrogen content of the fuel during the period of excess emissions. You do not have to report ambient conditions if you opt to use the worst case ISO correction factor as specified in §60.334(b)(3)(ii), or if you are not using the ISO correction equation under the provisions of §60.335(b)(1).</p> <p>(j)(3) Ice fog. Each period during which an exemption provided in §60.332(f) is in effect shall be reported in writing to the Administrator quarterly. For each period the ambient conditions existing during the period, the date and time the air pollution control system was deactivated, and the date and time the air pollution control system was reactivated shall be reported. All quarterly reports shall be postmarked by the 30th day following the end of each calendar quarter.</p> <p>(j)(5) All reports required under §60.7(c) shall be postmarked by the 30th day following the end of each 6-month period.</p>
C.17	<p><b>Emission Unit ID:</b> 05 <b>Equipment ID:</b> CT-1, CT-2, CT-3, CT-4, and CT-5 <b>Control Device ID:</b> CD-WI-1, CD-WI-2, CD-WI-3, CD-WI-4, and CD-WI-5</p> <p>These sources are subject to 40 CFR 60 Subpart A (General Provisions) and 40 CFR 60 Subpart GG –</p>

**Broad River Energy, LLC**

**TV-0600-0076**

**Page 14 of 25**

**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions
	<p>Standards of Performance for Stationary Gas Turbines, and shall comply with all applicable provisions, in addition to those explicitly stated in this permit. In accordance with 40 CFR 60 Subpart GG, Standards of Performance for Stationary Gas Turbines, on and after the date on which the performance test required by §60.8 is completed, every owner or operator subject to the provision of this subpart shall comply with one or the other of the following conditions:</p> <p>(a) No owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any stationary gas turbine any gases which contain sulfur dioxide in excess of 0.015 percent by volume at 15 percent oxygen and on a dry basis.</p> <p>(b) No owner or operator subject to the provisions of this subpart shall burn in any stationary gas turbine any fuel which contains total sulfur in excess of 0.8 percent by weight (8000 ppmw).</p> <p>In accordance with §60.334(h), the owner or operator of any stationary gas turbine subject to the provisions of this subpart:</p> <p>(h)(1) Shall monitor the total sulfur content of the fuel being fired in the turbine, except as provided in paragraph (h)(3) of this section. The sulfur content of the fuel must be determined using total sulfur methods described in §60.335(b)(10). Alternatively, if the total sulfur content of the gaseous fuel during the most recent performance test was less than 0.4 weight percent (4000 ppmw), ASTM D4084-82, 94, D5504-01, D6228-98, or Gas Processors Association Standard 2377-86 (all of which are incorporated by reference-see §60.17), which measure the major sulfur compounds may be used; and</p> <p>(h)(3) Notwithstanding the provisions of paragraph (h)(1) of this section, the owner or operator may elect not to monitor the total sulfur content of the gaseous fuel combusted in the turbine, if the gaseous fuel is demonstrated to meet the definition of natural gas in §60.331(u), regardless of whether an existing custom schedule approved by the administrator for subpart GG requires such monitoring. The owner or operator shall use one of the following sources of information to make the required demonstration:</p> <p>(h)(3)(i) The gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less; or</p> <p>(h)(3)(ii) Representative fuel sampling data which show that the sulfur content of the gaseous fuel does not exceed 20 grains/100 scf. At a minimum, the amount of fuel sampling data specified in section 2.3.1.4 or 2.3.2.4 of appendix D to part 75 of this chapter is required.</p> <p>(h)(4) For any turbine that commenced construction, reconstruction or modification after October 3,</p>

**Broad River Energy, LLC**

**TV-0600-0076**

**Page 15 of 25**

**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions
	<p>1977, but before July 8, 2004, and for which a custom fuel monitoring schedule has previously been approved, the owner or operator may, without submitting a special petition to the Administrator, continue monitoring on this schedule.</p> <p>In accordance with §60.334(i), the frequency of determining the sulfur and nitrogen content of the fuel shall be as follows:</p> <p>(i)(1) Fuel oil. For fuel oil, use one of the total sulfur sampling options and the associated sampling frequency described in sections 2.2.3, 2.2.4.1, 2.2.4.2, and 2.2.4.3 of appendix D to part 75 of this chapter (i.e., flow proportional sampling, daily sampling, sampling from the unit's storage tank after each addition of fuel to the tank, or sampling each delivery prior to combining it with fuel oil already in the intended storage tank).</p> <p>In accordance with §60.335 Test Methods and Procedures,</p> <p>(b)(10) If the owner or operator is required under §60.334(i)(1) or (3) to periodically determine the sulfur content of the fuel combusted in the turbine, a minimum of three fuel samples shall be collected during the performance test. Analyze the samples for the total sulfur content of the fuel using:</p> <p>(b)(10)(i) For liquid fuels, ASTM D129-00, D2622-98, D4294-02, D1266-98, D5453-00 or D1552-01 (all of which are incorporated by reference, see §60.17); or</p> <p>(b)(10)(ii) For gaseous fuels, ASTM D1072-80, 90 (Reapproved 1994); D3246-81, 92, 96; D4468-85 (Reapproved 2000); or D6667-01 (all of which are incorporated by reference, see §60.17). The applicable ranges of some ASTM methods mentioned above are not adequate to measure the levels of sulfur in some fuel gases. Dilution of samples before analysis (with verification of the dilution ratio) may be used, subject to the prior approval of the Administrator.</p> <p>(b)(11) The fuel analyses required under paragraphs (b)(9) and (b)(10) of this section may be performed by the owner or operator, a service contractor retained by the owner or operator, the fuel vendor, or any other qualified agency.</p> <p>In accordance with §60.334 Monitoring of Operations,</p> <p>(j) For each affected unit that elects to continuously monitor parameters or emissions, or to periodically determine the fuel sulfur content or fuel nitrogen content under this subpart, the owner or operator shall submit reports of excess emissions and monitor downtime, in accordance with §60.7(c). Excess emissions shall be reported for all periods of unit operation, including startup, shutdown and malfunction. For the purpose of reports required under §60.7(c), periods of excess</p>



**Broad River Energy, LLC****TV-0600-0076****Page 16 of 25****C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions				
	<p>emissions and monitor downtime that shall be reported are defined as follows:</p> <p>(j)(2) Sulfur dioxide. If the owner or operator is required to monitor the sulfur content of the fuel under paragraph (h) of this section:</p> <p>(j)(2)(i) For samples of gaseous fuel and for oil samples obtained using daily sampling, flow proportional sampling, or sampling from the unit's storage tank, an excess emission occurs each unit operating hour included in the period beginning on the date and hour of any sample for which the sulfur content of the fuel being fired in the gas turbine exceeds 0.8 weight percent and ending on the date and hour that a subsequent sample is taken that demonstrates compliance with the sulfur limit.</p> <p>(j)(2)(ii) If the option to sample each delivery of fuel oil has been selected, the owner or operator shall immediately switch to one of the other oil sampling options (i.e., daily sampling, flow proportional sampling, or sampling from the unit's storage tank) if the sulfur content of a delivery exceeds 0.8 weight percent. The owner or operator shall continue to use one of the other sampling options until all of the oil from the delivery has been combusted, and shall evaluate excess emissions according to paragraph (j)(2)(i) of this section. When all of the fuel from the delivery has been burned, the owner or operator may resume using the as-delivered sampling option.</p> <p>(j)(2)(iii) A period of monitor downtime begins when a required sample is not taken by its due date. A period of monitor downtime also begins on the date and hour of a required sample, if invalid results are obtained. The period of monitor downtime shall include only unit operating hours, and ends on the date and hour of the next valid sample.</p> <p>(j)(5) All reports required under §60.7(c) shall be postmarked by the 30th day following the end of each 6-month period.</p>				
C.18	<p><b>Emission Unit ID:</b> 05 <b>Equipment ID:</b> CT-1, CT-2, CT-3, CT-4, and CT-5 <b>Control Device ID:</b> CD-WI-1, CD-WI-2, CD-WI-3, CD-WI-4, and CD-WI-5</p> <p>The sources are subject to 40 CFR 64 Compliance Assurance Monitoring (CAM) based on NO<sub>x</sub> emission levels and use of controls to comply with SC Regulation 61-62.5, Standard 7 (PSD) limits when combusting distillate oil. The Department has determined that the use of NO<sub>x</sub> CEMS be designated as continuous compliance for NO<sub>x</sub> permit limits and thereby exempts this source from CAM requirements. As such, the facility shall maintain the NO<sub>x</sub> CEMS as required by 40 CFR 75. All limits to demonstrate continued compliance shall be based on the specified averaging times. Any reported exceedance of these limits is considered to be in non-compliance with the applicable standard. These limits are not subject to CAM during periods of startup and shutdown.</p> <table><tr><td>Unit ID/Equip ID</td><td>Pollutant</td><td>Limit (averaging time)</td><td>Regulation</td></tr></table>	Unit ID/Equip ID	Pollutant	Limit (averaging time)	Regulation
Unit ID/Equip ID	Pollutant	Limit (averaging time)	Regulation		



**Broad River Energy, LLC**

**TV-0600-0076**

**Page 17 of 25**

**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions			
	05/CT-1	NO <sub>x</sub>	42 ppmvd @ 15% (3 hour block average)	SC Regulation 61-62.5, Standard 7
	05/CT-2	NO <sub>x</sub>	42 ppmvd @ 15% (3 hour block average)	SC Regulation 61-62.5, Standard 7
	05/CT-3	NO <sub>x</sub>	42 ppmvd @ 15% (3 hour block average)	SC Regulation 61-62.5, Standard 7
	05/CT-4	NO <sub>x</sub>	42 ppmvd @ 15% (3 hour block average)	SC Regulation 61-62.5, Standard 7
	05/CT-5	NO <sub>x</sub>	42 ppmvd @ 15% (3 hour block average)	SC Regulation 61-62.5, Standard 7
	Based on approval of NO <sub>x</sub> CEMS use to demonstrate compliance for the limits above, the facility shall submit reports for the emission units for continued compliance demonstration as an alternative to and exemption from CAM plan for NO <sub>x</sub> limits. Results of any exceedances shall be submitted quarterly to the Manager of the Technical Management Section, Bureau of Air Quality. If no exceedances occurred during the quarter, a report shall be submitted to indicate such.			
C.19	<b>Emission Unit ID:</b> 05 <b>Equipment ID:</b> CT-1, CT-2, CT-3, CT-4, and CT-5 <b>Control Device ID:</b> CD-WI-1, CD-WI-2, CD-WI-3, CD-WI-4, and CD-WI-5  This facility is subject to S.C. Regulation 61-62.72, 40 CFR 72, 73, 74, 75, and 76 and the limits specified in Attachment – Title IV Acid Rain Program. The owner/operator shall comply with the monitoring and reporting requirements as provided in 40CFR Parts 74, 75 and 76.			
C.20	<b>Emission Unit ID:</b> 05 <b>Equipment ID:</b> CT-1, CT-2, CT-3, CT-4, and CT-5 <b>Control Device ID:</b> CD-WI-1, CD-WI-2, CD-WI-3, CD-WI-4, and CD-WI-5  This facility is subject to the federal rule entitled 40 CFR 96 NO <sub>x</sub> Budget Trading Program And CAIR NO <sub>x</sub> And SO <sub>2</sub> Trading Programs For State Implementation Plans. The CAIR permit is attached to this permit. Existing affected units shall comply with the applicable provisions by the compliance dates specified in each Subpart. Any new affected units shall comply with the requirements of these Subparts upon initial start-up, unless otherwise noted.			
C.21	<b>Emission Unit ID:</b> 05 <b>Equipment ID:</b> CT-1, CT-2, CT-3, CT-4, and CT-5 <b>Control Device ID:</b> CD-WI-1, CD-WI-2, CD-WI-3, CD-WI-4, and CD-WI-5  The facility is subject to the federal rule entitled 40 CFR 97 Federal Implementation Plans: Interstate Transport of Fine Particulate Matter and Ozone and Correction of SIP Approvals, also known as the "Transport Rule," "TR," the "Cross State Air Pollution Rule," and "CSAPR." Existing affected units shall comply with the applicable provisions by the compliance dates specified in each Subpart. Any new			

**Broad River Energy, LLC****TV-0600-0076****Page 18 of 25****C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions
	affected units shall comply with the requirements of these Subparts upon initial start-up, unless otherwise noted.

**D. NESHAP PERIODIC REPORTING SCHEDULE SUMMARY - RESERVED****E. NESHAP - CONDITIONS - RESERVED****F. COMPLIANCE SCHEDULE - RESERVED****G. PERMIT SHIELD**

Condition Number	Conditions
G.1	<p>(S.C. Regulation 61-62.70.6.f) A copy of the "applicability determination" submitted with the Part 70 permit application is included as Attachment – Applicable and Non-Applicable Federal and State Regulations. With the exception of those listed below, compliance with the terms and conditions of this permit shall be deemed compliance with the applicable requirements specified in Attachment – Applicable and Non-Applicable Federal and State Regulations as of the date of permit issuance provided that such applicable requirements are included and are specifically identified in the permit. Exceptions to this are stated below in the Permit Shield Exceptions Table. The owner or operator shall also be shielded from the non-applicable requirements specified in Attachment – Applicable and Non-Applicable Federal and State Regulations. Exceptions to this are stated below in the Permit Shield Exceptions Table.</p> <p>Nothing in the permit shield or in any Part 70 permit shall alter or affect the provisions of Section 303 of the Act, Emergency Orders, of the Clean Air Act; the liability of the owner or operator for any violation of applicable requirements prior to or at the time of permit issuance; the applicable requirements of the Acid Rain Program, consistent with Section 408.a of the Clean Air Act; or the ability of US EPA to obtain information from a source pursuant to Section 114 of the Clean Air Act. In addition, the permit shield shall not apply to emission units in noncompliance at the time of permit issuance, minor permit modifications (S.C. Regulation 61-62.70.7.e.2), group processing of minor permit modifications (S.C. Regulation 61-62.70.7.e.3), or operational flexibility (S.C. Regulation 61-62.70.7.e.5.i), except as specified in S.C. Regulation 61-62.70.7.e.5.iii.</p>

**Permit Shield Exceptions**

SC Regulation 61-62.1 Definitions and General Requirements

SC Regulation 61-62.2 Prohibition of Open Burning

**Broad River Energy, LLC****TV-0600-0076****Page 19 of 25**

<b>Permit Shield Exceptions</b>
SC Regulation 61-62.3 Air Pollution Episodes
SC Regulation 61-62.4 Hazardous Air Pollution Conditions
SC Regulation 61-62.5 Standard No.2, Ambient Air Quality Standards
SC Regulation 61-62.5 Standard No. 4, Emissions from Process Industries
SC Regulation 61-62.5 Standard No.7, Prevention of Significant Deterioration
SC Regulation 61-62.5 Standard No.7.1, Nonattainment New Source Review (NSR)
SC Regulation 61-62.6 Control of Fugitive Particulate Matter
SC Regulation 61-62.7 Good Engineering Practice Stack Height
All 40 CFR 60 and SC Regulation 61-62.60 New Source Performance Standards (NSPS)
All 40 CFR 63 and SC Regulation 61-62.63 Maximum Achievable Control Technology Standards (MACT)
SC Regulation 61-62.70 Title V Operating Permit Program
40 CFR Part 61 Subpart M, National Emission Standard for Asbestos
40 CFR 64 – Compliance Assurance Monitoring

**H. PERMIT FLEXIBILITY**

<b>Condition Number</b>	<b>Conditions</b>
H.1	The facility may install, remove, and modify insignificant activities as defined in S.C. Regulation 61-62.70.5.c and exempt sources as listed in S.C. Regulation 61-62.1, Section II.B, without revising or reopening the Title V Operating Permit. A list of insignificant activities/exempt sources must be maintained on site, along with any necessary documentation to support the determination that the activity is insignificant and/or exempt, and shall be made available to a Department representative upon request. The list shall be submitted with the next renewal application.

**I. AMBIENT AIR STANDARDS REQUIREMENTS**

<b>Condition Number</b>	<b>Conditions</b>
I.1	Air dispersion modeling (or other method) has demonstrated that this facility's operation will not interfere with the attainment and maintenance of any state or federal ambient air standard. Any changes in the parameters used in this demonstration may require a review by the facility to determine continuing compliance with these standards. These potential changes include any decrease in stack height, decrease in stack velocity, increase in stack diameter, decrease in stack exit temperature, increase in building height or building additions, increase in emission rates, decrease in distance between stack and property line, changes in vertical stack orientation, and installation of a rain cap that impedes vertical flow. Parameters that are not required in the determination will not invalidate the demonstration if they are modified. The emission rates used in the determination are listed in Attachment - Emission Rates for Ambient Air Standards of this permit. Higher emission rates may be administratively incorporated into Attachment - Emission Rates for Ambient Air Standards of

**Broad River Energy, LLC****TV-0600-0076****Page 20 of 25****I. AMBIENT AIR STANDARDS REQUIREMENTS**

<b>Condition Number</b>	<b>Conditions</b>
	<p>this permit provided a demonstration using these higher emission rates shows the attainment and maintenance of any state or federal ambient air quality standard or with any other applicable requirement. Variations from the input parameters in the demonstration shall not constitute a violation unless the maximum allowable ambient concentrations identified in the standard are exceeded.</p> <p>The owner/operator shall maintain this facility at or below the emission rates as listed in Attachment - Emission Rates for Ambient Air Standards, not to exceed the pollutant limitations of this permit. Should the facility wish to increase the emission rates listed in Attachment - Emission Rates for Ambient Air Standards, not to exceed the pollutant limitations in the body of this permit, it may do so by the administrative process specified above. This is a State Only enforceable requirement.</p>

**J. PERIODIC REPORTING SCHEDULE**

<b>Compliance Monitoring Report Submittal Frequency</b>	<b>Reporting Period (Begins on the effective date of the permit)</b>	<b>Report Due Date</b>
Quarterly	January-March April-June July-September October-December	April 30 July 30 October 30 January 30
Semiannual	January-June April-September July-December October-March	July 30 October 30 January 30 April 30
Note: This reporting schedule does not supersede any federal reporting requirements including but not limited to 40 CFR Part 60, 40 CFR Part 61, and 40 CFR Part 63. All federal reports must meet the reporting time frames specified in the federal standard unless the Department or EPA approves a change.		

**K. TITLE V COMPLIANCE CERTIFICATION REPORTING SCHEDULE**

<b>Title V Compliance Certification Submittal Frequency</b>	<b>Reporting Period (Begins on the effective date of the permit)</b>	<b>Report Due Date</b>
Annual	January-December April-March July-June October-September	February 14 May 15 August 14 November 14

**Broad River Energy, LLC**

**TV-0600-0076**

**Page 21 of 25**

**L. TITLE V RECORD KEEPING AND REPORTING REQUIREMENTS**

<b>Condition Number</b>	<b>Conditions</b>
L.1	Reporting required in this permit, shall be submitted in a timely manner as directed in the Title V Periodic Reporting Schedule and the Title V Compliance Certification Reporting Schedule of this permit. All required reports must be certified by a responsible official consistent with S.C. Regulation 61-62.70.5.d.
L.2	All reports and notifications required under this permit shall be submitted to the person indicated in the specific condition at the following address: <b>2600 Bull Street</b> <b>Columbia, SC 29201</b> The contact information for the local Environmental Affairs Regional office can be found at: <b><a href="http://www.scdhec.gov">http://www.scdhec.gov</a></b>
L.3	Unless elsewhere specified within this permit, all reports required under this permit shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality.
L.4	All Title V Annual Compliance Certifications shall be sent to the US EPA, Region 4, Air Enforcement Branch and to the Manager of the Technical Management Section, Bureau of Air Quality. <b>US EPA, Region 4</b> <b>Air Enforcement Branch</b> <b>61 Forsyth Street SW</b> <b>Atlanta, GA 30303</b>
L.5	(S.C. Regulation 61-62.70.6.a.3.ii) The owner or operator shall comply, where applicable, with the following monitoring/support information collection and retention record keeping requirements: 1. Records of required monitoring information shall include the following: a. The date, place as defined in the permit, and time of sampling or measurements; b. The date(s) analyses were performed; c. The company or entity that performed the analyses; d. The analytical techniques or methods used; e. The results of such analyses; and f. The operating conditions as existing at the time of sampling or measurement; 2. Records of all required monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
L.6	(S.C. Regulation 61-62.1, Section II.J) For sources not required to have continuous emissions monitors, any malfunction of air pollution control equipment or system, process upset or other equipment failure which results in discharges of air contaminants lasting for one hour or more and which are greater than those discharges described for normal operation in the permit application shall be reported to the Department's local Environmental Affairs Regional office within 24 hours after the beginning of the occurrence.  The owner/operator shall also submit a written report within 30 days of the occurrence. This report

**Broad River Energy, LLC**

**TV-0600-0076**

**Page 22 of 25**

**L. TITLE V RECORD KEEPING AND REPORTING REQUIREMENTS**

Condition Number	Conditions
	<p>shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality and shall include, at a minimum, the following:</p> <ol style="list-style-type: none"><li>1. The identity of the stack and/or emission point where the excess emissions occurred;</li><li>2. The magnitude of excess emissions expressed in the units of the applicable emission limitation and the operating data and calculations used in determining the excess emissions;</li><li>3. The time and duration of excess emissions;</li><li>4. The identity of the equipment causing the excess emissions;</li><li>5. The nature and cause of such excess emissions;</li><li>6. The steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of such malfunction;</li><li>7. The steps taken to limit the excess emissions; and,</li><li>8. Documentation that the air pollution control equipment, process equipment, or processes were at all times maintained and operated, to the maximum extent practicable, in a manner consistent with good practice for minimizing emissions.</li></ol>
L.7	<p>(S.C. Regulation 61-62.70.6.c.5.iii) The responsible official shall certify, annually, compliance with the conditions of this permit as required under S.C. Regulation 61-62.70.6.c. The compliance certification shall include the following:</p> <ol style="list-style-type: none"><li>1. The identification of each term or condition of the permit that is the basis of the certification.</li><li>2. The identification of the method(s) or means used by the owner or operator for determining the compliance status with each term and condition of the permit during the certification period.</li><li>3. The status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification shall be based on the method or means designated in S.C. Regulation 61-62.70.6.c.5.iii.B. The certification shall identify each deviation and take it into account in the compliance certification.</li><li>4. Such other facts as the Department may require to determine the compliance status of the source.</li></ol>
L.8	<p>(S.C. Regulation 61-62.1, Section II.M) Within 30 days of the transfer of ownership/operation of a facility, the current permit holder and prospective new owner or operator shall submit to the Director of Air Permitting a written request for transfer of the source operating or construction permits. The written request for transfer of the source operating or construction permit shall include any changes pertaining to the facility name and mailing address; the name, mailing address, and telephone number of the owner or operator for the facility; and any proposed changes to the permitted activities of the source. Transfer of the operating or construction permits will be effective upon written approval by the Department.</p>

**Broad River Energy, LLC****TV-0600-0076****Page 23 of 25****M. GENERAL FACILITY WIDE**

<b>Condition Number</b>	<b>Conditions</b>
M.1	The owner or operator shall comply with S.C. Regulation 61-62.2 "Prohibition of Open Burning."
M.2	The owner or operator shall comply with S.C. Regulation 61-62.3 "Air Pollution Episodes."
M.3	The owner or operator shall comply with S.C. Regulation 61-62.4 "Hazardous Air Pollution Conditions."
M.4	The owner or operator shall comply with S.C. Regulation 61-62.6 "Control of Fugitive Particulate Matter", Section III "Control of Fugitive Particulate Matter Statewide."
M.5	The owner or operator shall comply with the standards of performance for asbestos abatement operations pursuant to 40 CFR Part 61.145, including, but not limited to, requirements governing training, licensing, notification, work practice, cleanup, and disposal.
M.6	The owner or operator shall comply with the standards of performance for asbestos abatement operations pursuant to S.C. Regulation 61-86.1, including, but not limited to, requirements governing training, licensing, notification, work practice, cleanup, and disposal.
M.7	The owner or operator shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, Protection of Stratospheric Ozone, Recycling and Emissions Reduction, except as provided for motor vehicle air conditioners (MVACs) in Subpart B. If the owner or operator performs a service on motor (fleet) vehicles that involves ozone-depleting substance refrigerant in MVACs, the owner or operator is subject to all applicable requirements of 40 CFR Part 82, Subpart B, Servicing of MVACs.
M.8	(S.C. Regulation 61-62.70.6.a.5) The provisions of this permit are severable, and if any provision of this permit, or application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.
M.9	(S.C. Regulation 61-62.70.6.a.6.i) The owner or operator must comply with all of the conditions of this permit. Any permit noncompliance constitutes a violation of the S.C. Pollution Control Act and/or the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of permit renewal application.
M.10	(S.C. Regulation 61-62.70.6.a.6.ii) It shall not be a defense for an owner or operator in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
M.11	(S.C. Regulation 61-62.70.6.a.6.iii) The permit may be modified, revoked, reopened and reissued, or terminated for cause by the Department. The filing of a request by the owner or operator for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
M.12	(S.C. Regulation 61-62.70.6.a.6.iv) The permit does not convey any property rights of any sort, or any exclusive privilege.
M.13	(S.C. Regulation 61-62.70.6.a.6.v) The owner or operator shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the owner or operator shall also furnish to the Department copies of records required to be kept by the permit or, for information claimed to be confidential, the owner or operator may furnish such records directly to the Administrator along with



**Broad River Energy, LLC****TV-0600-0076****Page 24 of 25****M. GENERAL FACILITY WIDE**

<b>Condition Number</b>	<b>Conditions</b>
	a claim of confidentiality. The Department may also request that the owner or operator furnish such records directly to the Administrator along with a claim of confidentiality.
M.14	(S.C. Regulation 61-62.70.6.a.8) No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
M.15	<p>(S.C. Regulation 61-62.70.6.c.2) Upon presentation of credentials and other documents as may be required by law, the owner or operator shall allow the Department or an authorized representative to perform the following:</p> <ol style="list-style-type: none"><li>1. Enter upon the owner or operator's premises where a Part 70 source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit.</li><li>2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit.</li><li>3. Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.</li><li>4. As authorized by the Act and/or the S.C. Pollution Control Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.</li></ol>
M.16	<p>(S.C. Regulation 61-62.70.6.g) In the case of an emergency, as defined in S.C. Regulation 61-62.70.6.g.1, the owner or operator shall demonstrate an affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that:</p> <ol style="list-style-type: none"><li>1. An emergency occurred and that the owner or operator can identify the cause(s) of the emergency;</li><li>2. The permitted facility was at the time being properly operated; and</li><li>3. During the period of the emergency the owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and</li><li>4. The owner or operator shall submit verbal notification of the emergency to the Department within twenty-four (24) hours of the time when emission limitations were exceeded, followed by written notifications within thirty (30) days. This notice fulfills the requirement of S.C. Regulation 61-62.70.6.a.3.iii.B. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.</li></ol> <p>This provision is in addition to any emergency or upset provision contained in any applicable requirement. In any enforcement proceeding, the owner or operator seeking to establish the occurrence of an emergency has the burden of proof.</p>
M.17	(S.C. Regulation 61-62.70.6.a.1.ii) Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be incorporated into the permit and shall be enforceable by the Administrator.
M.18	(S.C. Regulation 61-62.70.6.a.4) According to S.C. Regulation 61-62.70.6.a.4, the owner or operator is prohibited from emissions exceeding any allowances that the source lawfully holds under Title IV of the Act or the regulations promulgated thereunder. No permit revision shall be required for increases



**Broad River Energy, LLC****TV-0600-0076****Page 25 of 25****M. GENERAL FACILITY WIDE**

Condition Number	Conditions
	in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by a source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowances shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Act.
M.19	(S.C. Regulation 61-62.70.7.c.1.ii) Permit expiration terminates the source's right to operate unless a timely and complete renewal application has been submitted consistent with S.C. Regulation 61-62.70.5.a.1.iii, 62.70.5.a.2.iv, and 62.70.7.b. In this case, the permit shall not expire until the renewal permit has been issued or denied. All terms and conditions of the permit including any permit shield that may be granted pursuant to S.C. Regulation 61-62.70.6.f shall remain in effect until the renewal permit has been issued or denied.
M.20	Requests for permit modification and amendments shall be submitted on the appropriate Department approved Title V Modification Form(s).
M.21	(S.C. Regulation 61-62.70.6.a.7) The owners or operators of Part 70 sources shall pay fees to the Department consistent with the fee schedule approved pursuant to S.C. Regulation 61-62.70.9. Failure to pay applicable fee can be considered grounds for permit revocation.
M.22	<p>(S.C. Regulation 61-62.1, Section III) The owners or operators of Part 70 sources shall complete and submit a new updated emissions inventory consistent with the schedule approved pursuant to S.C. Regulation 61-62.1, Section III. These Emissions Inventory Reports shall be submitted to the Manager of the Emissions Inventory Section, Bureau of Air Quality.</p> <p>This requirement notwithstanding, an emissions inventory may be required at any time in order to determine the compliance status of any facility.</p>
M.23	This permit expressly incorporates insignificant activities. Emissions from these activities shall be included in the emissions inventory submittals as required by S.C. Regulation 61-62.1, Section III.B.2.g.

## ATTACHMENT - Emission Rates for Ambient Air Standards

**Broad River Energy, LLC**

**TV-0600-0076**

**Page 1 of 1**

The emission rates listed herein are not considered enforceable limitations but are used to evaluate ambient air quality impact. Until the Department makes a determination that a facility is causing or contributing to an exceedance of a state or federal ambient air quality standard, increases to these emission rates are not in themselves considered violations of these ambient air quality standards (see Ambient Air Standards Requirements).

AMBIENT AIR QUALITY STANDARDS – STANDARD NO. 2					
Emission Point ID	Emission Rates (lbs/hr)				
	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>	CO
Turbines 1 – 5 (each)	45	---	62	335	70
Water Heaters 1 -2 (each)	1.78	---	0.13	1.78	1.78

## ATTACHMENT – Applicable and Non-Applicable Federal and State Regulations

### Broad River Energy, LLC

TV-0600-0076

Page 1 of 9

The following contains the Federal and South Carolina air pollution regulations and their applicability, as specified in the Part 70 permit application.

Regulation Citation	Regulation Title	Applicable (Yes/No)
SC Regulation 61-62.1	Definitions and General Requirements	Yes
SC Regulation 61-62.2	Prohibition of Open Burning	Yes
SC Regulation 61-62.3	Air Pollution Episodes	No
SC Regulation 61-62.4	Hazardous Air Pollution Conditions	Yes
SC Regulation 61-62.5, Std. No. 1	Emissions from Fuel Burning Operations	Yes
SC Regulation 61-62.5, Std. No. 2	Ambient Air Quality Standards	Yes
SC Regulation 61-62.5, Std. No. 3	Waste Combustion and Reduction	No
SC Regulation 61-62.5, Std. No. 3.1	Hospital, Medical, Infectious Waste Incinerators (HMIWI)	No
SC Regulation 61-62.5, Std. No. 4	Emissions from Process Industries	No
SC Regulation 61-62.5, Std. No. 5	Volatile Organic Compounds	No
SC Regulation 61-62.5, Std. No. 5.1	LAER Applicable to VOCs	No
SC Regulation 61-62.5, Std. No. 6	Alternative Emission Limitation Options	No
SC Regulation 61-62.5, Std. No. 7	Prevention of Significant Deterioration	Yes
SC Regulation 61-62.5, Std. No. 8	Toxic Air Pollutants	Yes
SC Regulation 61-62.6	Control of Fugitive Particulate Matter	Yes
SC Regulation 61-62.7	Good Engineering Practice Stack Height	Yes
SC Regulation 61-62.60	SC Designated Facility Plan and NSPS (Subparts A – DDDD)	Yes
SC Regulation 61-62.63	National Emission Standards for Hazardous Air Pollutants (Subparts A - )	No
SC Regulation 61-62.68	Chemical Accident Prevention Provisions	No
SC Regulation 61-62.70	Title V Operating Permit Program	Yes
SC Regulation 61-62.72	Acid Rain	Yes
SC Regulation 61-62.96	NO <sub>x</sub> Budget Trading Program	Yes
SC Regulation 61-62.99	NO <sub>x</sub> Budget Trading Program Requirements for Stationary Sources Not in the Trading Program	No

## ATTACHMENT – Applicable and Non-Applicable Federal and State Regulations

**Broad River Energy, LLC**

**TV-0600-0076**

**Page 2 of 9**

<b>Regulation Citation</b>	<b>Regulation Title</b>	<b>Applicable (Yes/No)</b>
40 CFR 60 subpart A	General Provisions	Yes
40 CFR 60 subpart B	Adoption and Submittal of State Plans for Designated Facilities	No
40 CFR 60 subpart C	Emission Guidelines and Compliance Times	No
40 CFR 60 subpart Cb	Emissions Guidelines and Compliance Times for Large Municipal Waste Combustors that are Constructed on or Before September 20, 1994	No
40 CFR 60 subpart Cc	Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills	No
40 CFR 60 subpart Cd	Emissions Guidelines and Compliance Times for Sulfuric Acid Production Units	No
40 CFR 60 subpart Ce	Emission Guidelines and Compliance Times for Hospital/Medical/Infectious Waste Incinerators	No
40 CFR 60 subpart D	Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971	No
40 CFR 60 subpart Da	Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978	No
40 CFR 60 subpart Db	Industrial-Commercial-Institutional Steam Generating Units	No
40 CFR 60 subpart Dc	Small Industrial-Commercial-Institutional Steam Generating Units	No
40 CFR 60 subpart E	Incinerators	No
40 CFR 60 subpart Ea	Municipal Waste Combustors for Which Construction is Commenced After December 20, 1989 and on or Before September 20, 1994	No
40 CFR 60 subpart Eb	Large Municipal Waste Combustors for Which Construction is Commenced After September 20, 1994 or for Which Modification or Reconstruction is Commenced After June 19, 1996	No
40 CFR 60 subpart Ec	Hospital/Medical/Infectious Waste Incinerators for Which Construction is Commenced After June 20, 1996	No
40 CFR 60 subpart F	Portland Cement Plants	No
40 CFR 60 subpart G	Nitric Acid Plants	No
40 CFR 60 subpart H	Sulfuric Acid Plants	No
40 CFR 60 subpart I	Hot Mix Asphalt Facilities	No
40 CFR 60 subpart J	Petroleum Refineries	No

## ATTACHMENT – Applicable and Non-Applicable Federal and State Regulations

### Broad River Energy, LLC

TV-0600-0076

Page 3 of 9

Regulation Citation	Regulation Title	Applicable (Yes/No)
40 CFR 60 subpart K	Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978	No
40 CFR 60 subpart Ka	Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984	No
40 CFR 60 subpart Kb	Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984	No
40 CFR 60 subpart L	Secondary Lead Smelters	No
40 CFR 60 subpart M	Secondary Brass and Bronze Production Plants	No
40 CFR 60 subpart N	Primary Emissions from Basic Oxygen Process Furnaces for Which Construction is Commenced After June 11, 1973	No
40 CFR 60 subpart Na	Secondary Emissions from Basic Oxygen Process Steelmaking Facilities for Which Construction is Commenced After January 20, 1983	No
40 CFR 60 subpart O	Sewage Treatment Plants	No
40 CFR 60 subpart P	Primary Copper Smelters	No
40 CFR 60 subpart Q	Primary Zinc Smelters	No
40 CFR 60 subpart R	Primary Lead Smelters	No
40 CFR 60 subpart S	Primary Aluminum Reduction Plants	No
40 CFR 60 subpart T	Phosphate Fertilizer Industry: Wet Process Phosphoric Acid Plants	No
40 CFR 60 subpart U	Phosphate Fertilizer Industry: Super Phosphoric Acid Plants	No
40 CFR 60 subpart V	Phosphate Fertilizer Industry: Diammonium Phosphate Plants	No
40 CFR 60 subpart W	Phosphate Fertilizer Industry: Triple Superphosphate Plants	No
40 CFR 60 subpart X	Phosphate Fertilizer Industry: Granular Triple Superphosphate Storage Facilities	No
40 CFR 60 subpart Y	Coal Preparation Plants	No
40 CFR 60 subpart Z	Ferroalloy Production Facilities	No
40 CFR 60 subpart AA	Steel Plants: Electric Arc Furnaces Constructed After October 21, 1974 and on or Before August 17, 1983	No

# ATTACHMENT – Applicable and Non-Applicable Federal and State Regulations

**Broad River Energy, LLC**

**TV-0600-0076**

**Page 4 of 9**

Regulation Citation	Regulation Title	Applicable (Yes/No)
40 CFR 60 subpart Aaa	Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983	No
40 CFR 60 subpart BB	Kraft Pulp Mills	No
40 CFR 60 subpart CC	Glass Manufacturing Plants	No
40 CFR 60 subpart DD	Grain Elevators	No
40 CFR 60 subpart EE	Surface Coating of Metal Furniture	No
40 CFR 60 subpart GG	Stationary Gas Turbines	Yes
40 CFR 60 subpart HH	Lime Manufacturing Plants	No
40 CFR 60 subpart KK	Lead-Acid Battery Manufacturing Plants	No
40 CFR 60 subpart LL	Metallic Mineral Processing Plants	No
40 CFR 60 subpart MM	Automobile and Light Duty Truck Surface Coating Operations	No
40 CFR 60 subpart NN	Phosphate Rock Plants	No
40 CFR 60 subpart PP	Ammonium Sulfate Manufacture	No
40 CFR 60 subpart QQ	Graphic Arts Industry: Publication Rotogravure Printing	No
40 CFR 60 subpart RR	Pressure Sensitive Tape and Label Surface Coating Operations	No
40 CFR 60 subpart SS	Industrial Surface Coating: Large Appliances	No
40 CFR 60 subpart TT	Metal Coil Surface Coating	No
40 CFR 60 subpart UU	Asphalt Processing and Asphalt Roofing Manufacture	No
40 CFR 60 subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Mfg. Industry	No
40 CFR 60 subpart WW	Beverage Can Surface Coating Industry	No
40 CFR 60 subpart XX	Bulk Gasoline Terminals	No
40 CFR 60 subpart AAA	New Residential Wood Heaters	No
40 CFR 60 subpart BBB	Rubber Tire Manufacturing Industry	No
40 CFR 60 subpart DDD	Volatile Organic Compound Emissions from the Polymer Manufacturing Industry	No
40 CFR 60 subpart FFF	Flexible Vinyl and Urethane Coating and Printing	No
40 CFR 60 subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	No
40 CFR 60 subpart HHH	Synthetic Fiber Production Facilities	No
40 CFR 60 subpart III	Volatile Organic Compound Emissions from the Synthetic Organic Chemical Manufacturing Industry Air Oxidation Unit Processes	No
40 CFR 60 subpart JJJ	Petroleum Dry Cleaners	No
40 CFR 60 subpart KKK	Equipment Leaks of VOC from Onshore Natural Gas Processing Plants	No

## ATTACHMENT – Applicable and Non-Applicable Federal and State Regulations

**Broad River Energy, LLC**

**TV-0600-0076**

**Page 5 of 9**

<b>Regulation Citation</b>	<b>Regulation Title</b>	<b>Applicable (Yes/No)</b>
40 CFR 60 subpart LLL	Onshore Natural Gas Processing: SO <sub>2</sub> Emissions	No
40 CFR 60 subpart NNN	Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations	No
40 CFR 60 subpart OOO	Nonmetallic Mineral Processing Plants	No
40 CFR 60 subpart PPP	Wool Fiberglass Insulation Manufacturing Plants	No
40 CFR 60 subpart QQQ	VOC Emissions from Petroleum Refinery Wastewater Systems	No
40 CFR 60 subpart RRR	Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Reactor Processes	No
40 CFR 60 subpart SSS	Magnetic Tape Coating Facilities	No
40 CFR 60 subpart TTT	Industrial Surface Coating: Surface Coating of Plastic Parts for Business Machines	No
40 CFR 60 subpart UUU	Calciners and Dryers in Mineral Industries	No
40 CFR 60 subpart VVV	Polymeric Coating of Supporting Substrate Facilities	No
40 CFR 60 subpart WWW	Municipal Solid Waste Landfills	No
40 CFR 60 subpart AAAA	Small Municipal Waste Combustion Units After August 30, 1999 or for Which Modification or Reconstruction is Commenced After June 6, 2001	No
40 CFR 60 subpart BBBB	Emission Guidelines and Compliance Times for Small Municipal Waste Constructed on or Before August 30, 1999	No
40 CFR 60 subpart CCCC	Commercial and Industrial Solid Waste Incineration 40 CFR60 Units for Which Construction is Commenced After November 30, 1999 or for Which Modification or Reconstruction is Commenced on or After June 1, 2001	No
40 CFR 60 subpart DDDD	Emissions Guidelines and Compliance Times for Commercial and Industrial Solid Waste Incineration Units that Commenced Construction On or Before November 30, 1999	No
40 CFR 60 subpart IIII	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	No
40 CFR 61 subpart A	General Provisions	No
40 CFR 61 subpart B	Radon Emissions from Underground Uranium Mines	No
40 CFR 61 subpart C	Beryllium	No
40 CFR 61 subpart D	Beryllium Rocket Motor Firing	No
40 CFR 61 subpart E	Mercury	No
40 CFR 61 subpart F	Vinyl chloride	No

**ATTACHMENT – Applicable and Non-Applicable Federal and State Regulations****Broad River Energy, LLC****TV-0600-0076****Page 6 of 9**

<b>Regulation Citation</b>	<b>Regulation Title</b>	<b>Applicable (Yes/No)</b>
40 CFR 61 subpart H	Radionuclides Other Than Radon From Department of Energy Facilities	No
40 CFR 61 subpart I	Radionuclide Emissions From Facilities Licensed by the Nuclear Regulatory Commission and Federal Facilities Not covered by Subpart H	No
40 CFR 61 subpart J	Equipment Leaks (Fugitive Emission Source) of Benzene	No
40 CFR 61 subpart K	(reserved)	No
40 CFR 61 subpart L	Benzene Emissions From Coke By-Product Recovery Plants	No
40 CFR 61 subpart M	Asbestos	No
40 CFR 61 subpart N	Inorganic Arsenic Emissions From Glass Manufacturing Plants	No
40 CFR 61 subpart O	Inorganic Arsenic Emissions From Primary Copper Smelters	No
40 CFR 61 subpart P	Inorganic Arsenic Emissions From Arsenic Trioxide and Metallic Arsenic Production Facilities	No
40 CFR 61 subpart Q	Radon Emissions From Department of Energy Facilities	No
40 CFR 61 subpart R	Radon Emissions From Phosphogypsum Stacks	No
40 CFR 61 subpart T	Radon Emissions From the Disposal of Uranium Mill Tailings	No
40 CFR 61 subpart V	Equipment Leaks (Fugitive Emission Sources)	No
40 CFR 61 subpart W	Radon Emissions From Operating Mill Tailings	No
40 CFR 61 subpart Y	Benzene Emissions From Benzene Storage Vessels	No
40 CFR 61 subpart BB	Benzene Emissions From Benzene Transfer Operations	No
40 CFR 61 subpart FF	Benzene Waste Operations	No
40 CFR 63 subpart A	General Provisions	No
40 CFR 63 subpart B	Requirements for Control Technology Determinations for Major Sources	No
40 CFR 63 subpart C	De-Listings	No
40 CFR 63 subpart D	Compliance Extensions for Early Reduction Sources	No
40 CFR 63 subpart E	Approval of State Programs and Delegation of Authority	No
40 CFR 63 subpart F	Synthetic Organic Chemical Manufacturing Industry, HON	No
40 CFR 63 subpart F	Tetrahydrobenzaldehyde Manufacture (Formerly Butadiene Dimers Production)	No
40 CFR 63 subpart G	Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater, HON	No



## ATTACHMENT – Applicable and Non-Applicable Federal and State Regulations

**Broad River Energy, LLC**

**TV-0600-0076**

**Page 7 of 9**

<b>Regulation Citation</b>	<b>Regulation Title</b>	<b>Applicable (Yes/No)</b>
40 CFR 63 subpart H	Synthetic Organic Chemical Manufacturing Industry for Equipment Leaks, HON	No
40 CFR 63 subpart I	Synthetic Organic Chemical Manufacturing Industry for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks, HON	No
40 CFR 63 subpart J	Polyvinyl Chloride and Copolymers Production	No
40 CFR 63 subpart L	Coke Ovens	No
40 CFR 63 subpart M	Dry Cleaning	No
40 CFR 63 subpart YY	Generic Maximum Achievable Control Technology (MACT) Standards	No
40 CFR 63 subpart CCC	Steel Pickling Facilities	No
40 CFR 63 subpart DDD	Mineral Wool Production	No
40 CFR 63 subpart EEE	Hazardous Waste Combustors	No
40 CFR 63 subpart GGG	Pharmaceuticals Production	No
40 CFR 63 subpart HHH	Natural Gas Transmission and Storage Facilities	No
40 CFR 63 subpart III	Flexible Polyurethane Foam Production	No
40 CFR 63 subpart JJJ	Polymers and Resins Group IV	No
40 CFR 63 subpart LLL	Portland Cement Manufacturing	No
40 CFR 63 subpart MMM	Pesticide Active Ingredients Production	No
40 CFR 63 subpart NNN	Wool Fiberglass Production	No
40 CFR 63 subpart OOO	Manufacture of Amino/Phenolic Resins	No
40 CFR 63 subpart PPP	Polyether Polyols Production	No
40 CFR 63 subpart QQQ	Primary Copper	No
40 CFR 63 subpart RRR	Secondary Aluminum Production	No
40 CFR 63 subpart TTT	Primary Lead Smelting	No
40 CFR 63 subpart UUU	Petroleum Refineries (catalytic cracking, catalytic reforming and sulfur plant units)	No
40 CFR 63 subpart VVV	Publicly Owned Treatment Works	No
40 CFR 63 subpart XXX	Ferroalloy Production	No
40 CFR 63 subpart AAAA	Municipal Solid Waste (MSW) Landfills	No
40 CFR 63 subpart CCCC	Manufacturing of Nutritional Yeast	No
40 CFR 63 subpart DDDD	Plywood and Composite Wood Products	No
40 CFR 63 subpart EEEE	Organic Liquids Distribution (non-gasoline)	No
40 CFR 63 subpart FFFF	Misc. Organic Chemical Manufacturing (MON)	No
40 CFR 63 subpart GGGG	Solvent Extraction for Vegetable Oil Production	No
40 CFR 63 subpart HHHH	Wetted Formed Fiberglass Mat Production	No
40 CFR 63 subpart IIII	Automobile and Light Duty Trucks (surface coating)	No

# ATTACHMENT – Applicable and Non-Applicable Federal and State Regulations

## Broad River Energy, LLC

TV-0600-0076

Page 8 of 9

Regulation Citation	Regulation Title	Applicable (Yes/No)
40 CFR 63 subpart JJJJ	Paper & Other Web Coatings (paper, plastic, film, foil, etc.)	No
40 CFR 63 subpart KKKK	Metal Cans (Surface Coating)	No
40 CFR 63 subpart MMMM	Misc. Metal Parts and Products (Surface Coating)	No
40 CFR 63 subpart NNNN	Large Appliance (surface coating)	No
40 CFR 63 subpart OOOO	Fabric Printing, Coating and Dyeing	No
40 CFR 63 subpart PPPP	Plastic Parts and Products (Surface Coating)	No
40 CFR 63 subpart QQQQ	Wood Building Products (surface coating)	No
40 CFR 63 subpart RRRR	Metal Furniture (surface coating)	No
40 CFR 63 subpart SSSS	Metal Coil (surface coating)	No
40 CFR 63 subpart TTTT	Leather Finishing Operations	No
40 CFR 63 subpart UUUU	Cellulose Production Manufacturing	No
40 CFR 63 subpart VVVV	Boat Manufacturing	No
40 CFR 63 subpart WWWW	Reinforced Plastics Composites Production	No
40 CFR 63 subpart XXXX	Tire Manufacturing	No
40 CFR 63 subpart YYYY	Combustion Turbines	No
40 CFR 63 subpart ZZZZ	Reciprocating Internal Combustion Engines (RICE)	No
40 CFR 63 subpart AAAAA	Lime Manufacturing	No
40 CFR 63 subpart BBBBB	Semiconductor Manufacturing	No
40 CFR 63 subpart CCCCC	Coke Ovens: Pushing, Quenching and Battery Stacks	No
40 CFR 63 subpart DDDDD	Industrial, Commercial, and Institutional Boilers and Process Heaters	No
40 CFR 63 subpart EEEEE	Iron and Steel Foundries	No
40 CFR 63 subpart FFFFF	Integrated Iron and Steel	No
40 CFR 63 subpart GGGGG	Site Remediation	No
40 CFR 63 subpart HHHHH	Misc. Coating Manufacturing	No
40 CFR 63 subpart IIIII	Mercury Cell Chlor-Alkali Plants	No
40 CFR 63 subpart JJJJJ	Brick and Structural Clay Products Manufacturing	No
40 CFR 63 subpart KKKKK	Clay Ceramic Manufacturing	No
40 CFR 63 subpart LLLLL	Asphalt Roofing and Asphalt Processing	No
40 CFR 63 subpart MMMMM	Flexible Polyurethane Foam Fabrication Operation	No
40 CFR 63 subpart NNNNN	Hydrochloric Acid Production and Fumed Silica Production	No
40 CFR 63 subpart PPPPP	Engine Test Cells/Standards	No
40 CFR 63 subpart QQQQQ	Friction Materials Manufacturing	No
40 CFR 63 subpart RRRRR	Taconite Iron Ore Processing	No
40 CFR 63 subpart SSSSS	Refractory Products Manufacturing	No

## ATTACHMENT – Applicable and Non-Applicable Federal and State Regulations

**Broad River Energy, LLC**

**TV-0600-0076**

**Page 2 of 9**

Regulation Citation	Regulation Title	Applicable (Yes/No)
40 CFR 63 subpart TTTT	Primary Magnesium Refining	No
40 CFR 64	Compliance Assurance Monitoring	No
40 CFR 68	Risk Management Programs Under Section 112(r)	No

## ATTACHMENT – CAIR Permit

Broad River Energy, LLC

TIV-0600-0076

Page 1 of 6



## South Carolina CAIR Permit

(for sources covered under the South Carolina CAIR SIP)

For more information, refer to:

40 CFR 96.121, 96.122, 96.221, 96.222, 96.321, and 96.322.

### STEP 1

Identify the source by plant name, State, and ORIS or facility code

Broad River Energy, LLC

SC

55166 (CT 1-3), 55363 (CT-4, CT-5)

Plant Name

State

ORIS/Facility Code

### STEP 2

Identify the unit ID# for each CAIR unit and indicate to which CAIR programs each unit is subject (by placing an "X" in the column)

Unit ID#

NO<sub>x</sub>  
Annual

SO<sub>2</sub>

NO<sub>x</sub> Ozone  
Season

05 (CT-1, CT-2, CT-3, CT-4, CT-5)

X

X

### STEP 3

Identify the standard requirements.

#### Standard Requirements

##### (a) Permit Requirements.

(1) The CAIR designated representative of each CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) required to have a title V operating permit and each CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable) required to have a title V operating permit at the source shall:

(i) Submit to the South Carolina Department of Health and Environmental Control a complete CAIR permit application under §96.122, §96.222, and §96.322 (as applicable) in accordance with the deadlines specified in §96.121, §96.221, and §96.321 (as applicable); and

(ii) Submit in a timely manner any supplemental information that the South Carolina Department of Health and Environmental Control determines is necessary in order to review a CAIR permit application and issue or deny a CAIR permit.

(2) The owners and operators of each CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) required to have a title V operating permit and each CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable) required to have a title V operating permit at the source shall have a CAIR permit issued by the South Carolina Department of Health and Environmental Control under subpart CC, CCC, and CCCC (as applicable) of 40 CFR part 96 for the source and operate the source and the unit in compliance with such CAIR permit.

(3) Except as provided in subpart II, III, and IIII (as applicable) of 40 CFR part 96, the owners and operators of a CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) that is not otherwise required to have a title V operating permit and each CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable) that is not otherwise

## ATTACHMENT – CAIR Permit

**Broad River Energy, LLC**

**TV-0600-0076**

**Page 2 of 6**

required to have a title V operating permit are not required to submit a CAIR permit application, and to have a CAIR permit, under subpart CC, CCC, and CCCC (as applicable) of 40 CFR part 96 for such CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) and such CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable).

**(b) Monitoring, reporting, and recordkeeping requirements.**

(1) The owners and operators, and the CAIR designated representative, of each CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) and each CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable) at the source shall comply with the monitoring, reporting, and recordkeeping requirements of subparts HH, HHH, and HHHH (as applicable) of 40 CFR part 96.

(2) The emissions measurements recorded and reported in accordance with subparts HH, HHH, and HHHH (as applicable) of 40 CFR part 96 shall be used to determine compliance by each CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) with the CAIR NO<sub>x</sub> emissions limitation, CAIR SO<sub>2</sub> emissions limitation, and CAIR NO<sub>x</sub> Ozone Season emissions limitation (as applicable) under paragraph (c) of §96.106, §96.206, and §96.306 (as applicable).

**(c) Nitrogen oxides emissions requirements.**

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit at the source shall hold, in the source's compliance account, CAIR NO<sub>x</sub> allowances available for compliance deductions for the control period under §96.154(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO<sub>x</sub> units at the source, as determined in accordance with subpart HH of 40 CFR part 96.

(2) A CAIR NO<sub>x</sub> unit shall be subject to the requirements under paragraph (c)(1) of §96.106 for the control period starting on the later of January 1, 2009 or the deadline for meeting the unit's monitor certification requirements under §96.170(b)(1), (2), or (5) and for each control period thereafter.

(3) A CAIR NO<sub>x</sub> allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of §96.106, for a control period in a calendar year before the year for which the CAIR NO<sub>x</sub> allowance was allocated.

(4) CAIR NO<sub>x</sub> allowances shall be held in, deducted from, or transferred into or among CAIR NO<sub>x</sub> Allowance Tracking System accounts in accordance with subparts FF, GG, and II of 40 CFR part 96.

(5) A CAIR NO<sub>x</sub> allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NO<sub>x</sub> Annual Trading Program. No provision of the CAIR NO<sub>x</sub> Annual Trading Program, the CAIR permit application, the CAIR permit, or an exemption under §96.105 and no provision of law shall be construed to limit the authority of the State or the United States to terminate or limit such authorization.

(6) A CAIR NO<sub>x</sub> allowance does not constitute a property right.

## **ATTACHMENT – CAIR Permit**

**Broad River Energy, LLC**

**TV-0600-0076**

**Page 3 of 6**

(7) Upon recordation by the Administrator under subpart EE, FF, GG, or II of 40 CFR part 96, every allocation, transfer, or deduction of a CAIR NO<sub>x</sub> allowance to or from a CAIR NO<sub>x</sub> source's compliance account is incorporated automatically in any CAIR permit of the source that includes the CAIR NO<sub>x</sub> unit.

### Sulfur dioxide emission requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source shall hold, in the source's compliance account, a tonnage equivalent of CAIR SO<sub>2</sub> allowances available for compliance deductions for the control period under §96.254(a) and (b) not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO<sub>2</sub> units at the source, as determined in accordance with subpart HHH of 40 CFR part 96.

(2) A CAIR SO<sub>2</sub> unit shall be subject to the requirements under paragraph (c)(1) of §96.206 for the control period starting on the later of January 1, 2010 or the deadline for meeting the unit's monitor certification requirements under §96.270(b)(1), (2), or (5) and for each control period thereafter.

(3) A CAIR SO<sub>2</sub> allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of §96.206, for a control period in a calendar year before the year for which the CAIR SO<sub>2</sub> allowance was allocated.

(4) CAIR SO<sub>2</sub> allowances shall be held in, deducted from, or transferred into or among CAIR SO<sub>2</sub> Allowance Tracking System accounts in accordance with subparts FFF, GGG, and III of 40 CFR part 96.

(5) A CAIR SO<sub>2</sub> allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO<sub>2</sub> Trading Program. No provision of the CAIR SO<sub>2</sub> Trading Program, the CAIR permit application, the CAIR permit, or an exemption under §96.205 and no provision of law shall be construed to limit the authority of the State or the United States to terminate or limit such authorization.

(6) A CAIR SO<sub>2</sub> allowance does not constitute a property right.

(7) Upon recordation by the Administrator under subpart FFF, GGG, or III of 40 CFR part 96, every allocation, transfer, or deduction of a CAIR SO<sub>2</sub> allowance to or from a CAIR SO<sub>2</sub> source's compliance account is incorporated automatically in any CAIR permit of the source that includes the CAIR SO<sub>2</sub> unit.

### Nitrogen oxides ozone season emissions requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO<sub>x</sub> Ozone Season source and each CAIR NO<sub>x</sub> Ozone Season unit at the source shall hold, in the source's compliance account, CAIR NO<sub>x</sub> Ozone Season allowances available for compliance deductions for the control period under §96.354(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO<sub>x</sub> Ozone Season units at the source, as determined in accordance with subpart HHHH of 40 CFR part 96.

(2) A CAIR NO<sub>x</sub> Ozone Season unit shall be subject to the requirements under paragraph (c)(1) of §96.306 for the control period starting on the later of May 1, 2009 or the deadline for

## ATTACHMENT – CAIR Permit

**Broad River Energy, LLC**

**TV-0600-0076**

**Page 4 of 6**

meeting the unit's monitor certification requirements under §96.370(b)(1), (2), (3) or (7) and for each control period thereafter.

(3) A CAIR NO<sub>x</sub> Ozone Season allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of §96.306, for a control period in a calendar year before the year for which the CAIR NO<sub>x</sub> Ozone Season allowance was allocated.

(4) CAIR NO<sub>x</sub> Ozone Season allowances shall be held in, deducted from, or transferred into or among CAIR NO<sub>x</sub> Ozone Season Allowance Tracking System accounts in accordance with subparts FFFF, GGGG, and IIII of 40 CFR part 96.

(5) A CAIR NO<sub>x</sub> allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NO<sub>x</sub> Ozone Season Trading Program. No provision of the CAIR NO<sub>x</sub> Ozone Season Trading Program, the CAIR permit application, the CAIR permit, or an exemption under §96.305 and no provision of law shall be construed to limit the authority of the State or the United States to terminate or limit such authorization.

(6) A CAIR NO<sub>x</sub> allowance does not constitute a property right.

(7) Upon recordation by the Administrator under subpart EEEE, FFFF, GGGG, or IIII of 40 CFR part 96, every allocation, transfer, or deduction of a CAIR NO<sub>x</sub> Ozone Season allowance to or from a CAIR NO<sub>x</sub> Ozone Season source's compliance account is incorporated automatically in any CAIR permit of the source.

**(d) Excess emissions requirements.**

If a CAIR NO<sub>x</sub> source emits nitrogen oxides during any control period in excess of the CAIR NO<sub>x</sub> emissions limitation, then:

(1) The owners and operators of the source and each CAIR NO<sub>x</sub> unit at the source shall surrender the CAIR NO<sub>x</sub> allowances required for deduction under §96.154(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and

(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this subpart, the Clean Air Act, and applicable State law.

If a CAIR SO<sub>2</sub> source emits sulfur dioxide during any control period in excess of the CAIR SO<sub>2</sub> emissions limitation, then:

(1) The owners and operators of the source and each CAIR SO<sub>2</sub> unit at the source shall surrender the CAIR SO<sub>2</sub> allowances required for deduction under §96.254(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and

(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this subpart, the Clean Air Act, and applicable State law.

If a CAIR NO<sub>x</sub> Ozone Season source emits nitrogen oxides during any control period in excess of the CAIR NO<sub>x</sub> Ozone Season emissions limitation, then:

(1) The owners and operators of the source and each CAIR NO<sub>x</sub> Ozone Season unit at the source shall surrender the CAIR NO<sub>x</sub> Ozone Season allowances required for deduction under

## **ATTACHMENT – CAIR Permit**

**Broad River Energy, LLC**

**TV-0600-0076**

**Page 5 of 6**

§96.354(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and

(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this subpart, the Clean Air Act, and applicable State law.

**(e) Recordkeeping and Reporting Requirements.**

(1) Unless otherwise provided, the owners and operators of the CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) and each CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable) at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the South Carolina Department of Health and Environmental Control or the Administrator.

(i) The certificate of representation under §96.113, §96.213, and §96.313 (as applicable) for the CAIR designated representative for the source and each CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable) at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under §96.113, §96.213, and §96.313 (as applicable) changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with subparts HH, HHH, and HHHH (as applicable) of 40 CFR part 96, provided that to the extent that subparts HH, HHH, and HHHH (as applicable) of 40 CFR part 96 provides for a 3-year period for recordkeeping, the 3-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO<sub>x</sub> Annual Trading Program, CAIR SO<sub>2</sub> Trading Program, and CAIR NO<sub>x</sub> Ozone Season Trading Program (as applicable).

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NO<sub>x</sub> Annual Trading Program, CAIR SO<sub>2</sub> Trading Program, and CAIR NO<sub>x</sub> Ozone Season Trading Program (as applicable) or to demonstrate compliance with the requirements of the CAIR NO<sub>x</sub> Annual Trading Program, CAIR SO<sub>2</sub> Trading Program, and CAIR NO<sub>x</sub> Ozone Season Trading Program (as applicable).

(2) The CAIR designated representative of a CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) and each CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable) at the source shall submit the reports required under the CAIR NO<sub>x</sub> Annual Trading Program, CAIR SO<sub>2</sub> Trading Program, and CAIR NO<sub>x</sub> Ozone Season Trading Program (as applicable) including those under subparts HH, HHH, and HHHH (as applicable) of 40 CFR part 96.

**(f) Liability.**



## **ATTACHMENT – CAIR Permit**

**Broad River Energy, LLC**

**TV-0600-0076**

**Page 6 of 6**

(1) Each CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) and each NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable) shall meet the requirements of the CAIR NO<sub>x</sub> Annual Trading Program, CAIR SO<sub>2</sub> Trading Program, and CAIR NO<sub>x</sub> Ozone Season Trading Program (as applicable).

(2) Any provision of the CAIR NO<sub>x</sub> Annual Trading Program, CAIR SO<sub>2</sub> Trading Program, and CAIR NO<sub>x</sub> Ozone Season Trading Program (as applicable) that applies to a CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) or the CAIR designated representative of a CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) shall also apply to the owners and operators of such source and of the CAIR NO<sub>x</sub> units, CAIR SO<sub>2</sub> units, and CAIR NO<sub>x</sub> Ozone Season units (as applicable) at the source.

(3) Any provision of the CAIR NO<sub>x</sub> Annual Trading Program, CAIR SO<sub>2</sub> Trading Program, and CAIR NO<sub>x</sub> Ozone Season Trading Program (as applicable) that applies to a CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable) or the CAIR designated representative of a CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable) shall also apply to the owners and operators of such unit.

(g) Effect on Other Authorities.

No provision of the CAIR NO<sub>x</sub> Annual Trading Program, CAIR SO<sub>2</sub> Trading Program, and CAIR NO<sub>x</sub> Ozone Season Trading Program (as applicable), a CAIR permit application, a CAIR permit, or an exemption under § 96.105, §96.205, and §96.305 (as applicable) shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) or CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable) from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

## Attachment - Title IV - Acid Rain Program

**Broad River Energy, LLC**

**TIV-0600-0076**

**PAGE 1 OF 2**

### State of South Carolina Acid Rain Permit

Issued to: Broad River Energy Center  
Operated by: Broad River Energy LLC  
ORIS code: 55166 (CT-1, CT-2, CT-3), 55363 (CT-4, CT-5)  
Permit No.: 0600-0076  
Issue Date: ISSUED DATE  
Effective Date: EFFECTIVE DATE  
Expiration Date: EXPIRATION DATE

#### Acid Rain Permit Contents:

- 1) Statement of Basis
- 2) SO<sub>2</sub> Allowance Allocation and NO<sub>x</sub> Requirements for Each Affected Unit.
- 3) Permit Revisions
- 4) The permit application submitted for this source, as corrected by South Carolina Department of Health and Environmental Control. The owners and operators of the source must comply with the standard requirements and special provisions set forth in the application.

#### 1) Statement of Basis:

In accordance with the provisions of the Federal Clean Air Act as amended in 1990, the Pollution Control Act, Sections 48-1-50(5) and 48-1-110(a) and Titles IV and V of the Clean Air Act, the South Carolina Department of Health and Environmental Control issues this permit pursuant to the 1976 Code of Laws of South Carolina, as amended, Regulation 61-62.

#### 2) SO<sub>2</sub> Allowance Allocations and NO<sub>x</sub> Requirements for Each Affected Unit:

SO <sub>2</sub> Allowance Allocations* (Under Tables 2, 3, or 4 of 40 CFR Part 73)				
Emission Unit ID	Equipment ID	2000 - 2009	2010 and Beyond	Additional Requirements
05	CT-1, CT-2, CT-3, CT-4, CT-5	N/A	N/A	SO <sub>2</sub> Allowances are not allocated by US EPA for new units under 40CFR72.

\*The number of allowances actually held by an effected source in a unit account may differ from the number allocated by U. S. EPA. If so, a revision to the unit SO<sub>2</sub> allowance allocations identified in this permit is not necessary. (See 40 CFR 72.84)

## Attachment - Title IV - Acid Rain Program

Broad River Energy, LLC

TIV-0600-0076

PAGE 2 OF 2

NO <sub>x</sub> Emission Limitations (On an Annual Average Basis)			
Emission Unit ID	Equipment ID	lb/10 <sup>6</sup> Btu of Heat Input	Additional Requirements
05	CT-1, CT-2, CT-3, CT-4, CT-5	N/A	Does not apply for gas or oil-fired units. In addition to the described NO <sub>x</sub> compliance plan, this unit shall comply with all other applicable requirements of 40 CFR Part 76, including the duty to reapply for a NO <sub>x</sub> compliance plan and requirements covering excess emissions.

### 3) Permit Revisions:

RECORD OF REVISIONS		
Revision Date	Type (AA, MM, SM)	Description of Change

AA Administrative Amendment  
MM Minor Modification  
SM Significant Modification

### 4) Permit Application and Compliance Plan:

The acid rain permit application and compliance plan are incorporated into the permit and constitutes an enforceable part of the permit.